

# Converting Colors

XYZ(65.5298, 85.6307, 69.1668)

Have a look what the booklet for  
XYZ(65.5298, 85.6307, 69.1668)  
contains.

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# Color

**XYZ(65.4767, 85.6080,  
68.9501)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5FFCA
RGB	181, 255, 202
RGB Percent	71%, 100%, 79%
CMY	0.2902, 0.0000, 0.2078
CMYK	0.29, 0.00, 0.21, 0.00
HSL	137°, 100%, 85%
HSV	137°, 29%, 100%
XYZ	65.4767, 85.6080, 68.9501
YIQ	226.8320, -27.0910, -32.1710

# Conversions

## Conversions Part 2

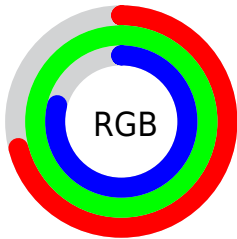
Format	Color
<b>RYB</b>	181, 239, 255
Decimal	11927498
CIELab	94.14, -33.17, 18.16
CIELCh	94, 37.815, 151.304
Yxy	85.6080, 0.2976, 0.3891
Android (android.graphics.Color)	4290117578 (0xFFB5FFCA)
YUV	226.8320, -12.2422, -40.1947
Hunter-Lab	92.5246, -35.5993, 20.5838

# Details

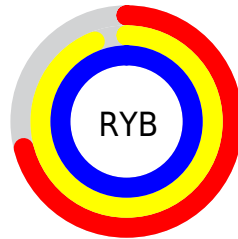
The XYZ color **65.4767, 85.6080, 68.9501** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.6154, 60.2489, 85.6435**, and the grayscale version is **72.9915, 76.7927, 83.6273**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **34.1436, 46.9619, 35.2820** is the 20% darker color. If you saturate the color by 10%, you get **57.9984, 81.9881, 57.9725**, and if you desaturate by 10%, it is **74.3066, 89.8951, 81.3296**.

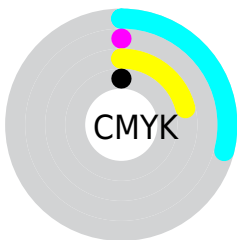
# Distribution



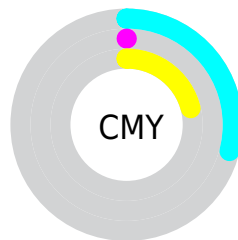
- Red (71%)
- Green (100%)
- Blue (79%)



- Red (71%)
- Yellow (94%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)



- Cyan (29%)
- Magenta (0%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.4767, 85.6080, 68.9501 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 65.4767, 85.6080, 68.9501 by changing the saturation by 10% instead.





 65.4767, 85.6080,  
68.9501

 65.4767, 85.6080,  
68.9501


434.0212,  
513.6378, 475.5441

 48.1139, 64.3439,  
50.1996


 111.7968,  
141.2223, 119.3773

 34.1287, 46.9292,  
35.1997


141.4848,  
176.3413, 151.8911

 23.1558, 32.9797,  
23.5320


176.0119,  
216.8474, 189.8297

 14.8299, 22.1109,  
14.7778

215.7435,  
263.1249, 233.6117

 8.7857, 13.9384,  
8.5187

261.0448,  
315.5584, 283.6556

 4.6576, 8.0778,  
4.3361

312.2813,

 2.0805, 4.1448,

374.5320, 340.3799

1.8115

369.8183,  
440.4304, 404.2033

■ 0.6786, 1.7549,  
0.4355

■ 0.0000, 0.4588,  
0.0000

■ 65.4767, 85.6080,  
68.9501

■ 65.4767, 85.6080,  
68.9501

■ 57.9984, 81.9881,  
57.9725

■ 74.3066, 89.8951,  
81.3296

■ 51.8011, 78.9999,  
48.3431

■ 84.5497, 94.8802,  
95.1541

■ 46.8105, 76.6064,  
40.0106

95.0500, 100.0000,  
108.9000

■ 42.9437, 74.7660,  
32.9191

■ 40.1067, 73.4313,  
27.0083

■ 38.1892, 72.5470,  
22.2126

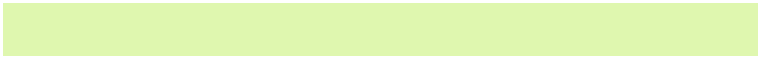
■ 37.0327, 72.0327,  
18.4587

■ 36.9417, 71.9927,  
18.1430

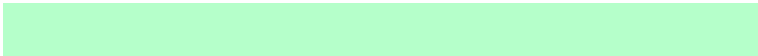
# Harmonies

## Analogous

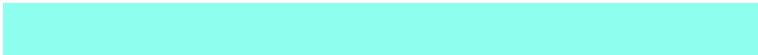
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.6781, 85.6080, 53.2709



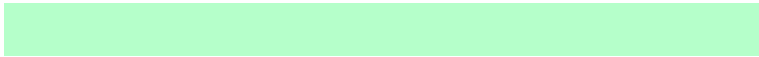
65.4767, 85.6080, 68.9501



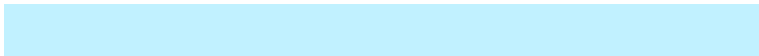
63.4366, 85.6080, 94.4851

# Triad

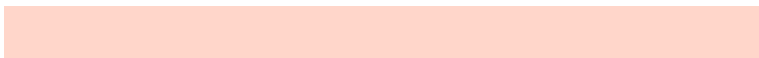
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.4767, 85.6080, 68.9501



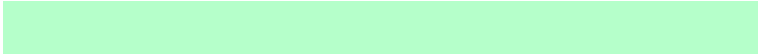
81.8110, 85.6080, 160.6994



99.1367, 85.6080, 67.1710

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



65.4767, 85.6080, 68.9501



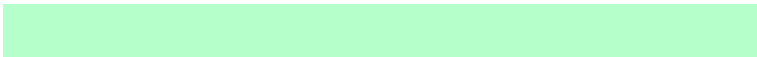
72.6154, 60.2489, 85.6435

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.3948, 85.6080, 91.9515



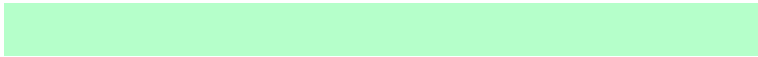
65.4767, 85.6080, 68.9501



91.8937, 85.6080, 149.3439

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.4767, 85.6080, 68.9501



72.3844, 85.6080, 151.0851



99.6422, 85.6080, 122.5880

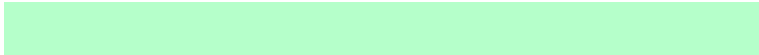


91.0654, 85.6080, 52.4032



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.4767, 85.6080, 68.9501



64.5643, 85.6080, 114.9417



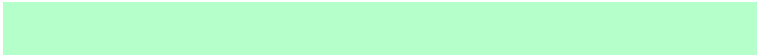
99.6422, 85.6080, 122.5880



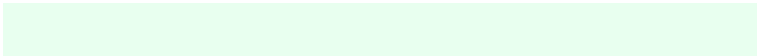
100.8598, 85.6080, 74.4105

# Sweetspot

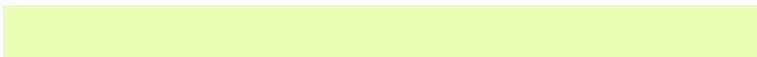
The Sweet Spot groups the original color and five complimentary colors.



65.4774, 85.6083, 68.9515



84.5704, 94.8904, 95.1817



78.0434, 92.3544, 57.4298



17.7632, 20.1456, 19.9226



0.0000, 0.0000, 0.0000

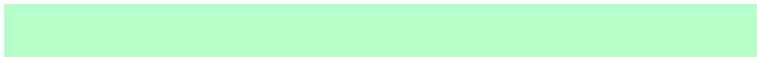


20.3446, 21.4041, 23.3091

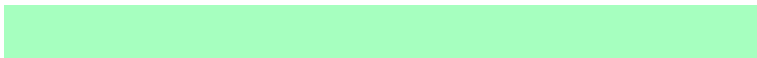


# Same Dimension

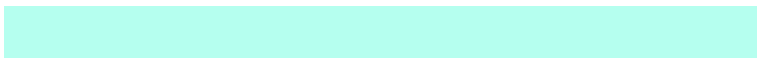
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.4774, 85.6083, 68.9515



60.8462, 83.3651, 62.2198



70.3916, 87.5740, 94.8293



17.9835, 20.2529, 20.2159



19.3577, 37.6397, 9.7690



1.9293, 3.6826, 1.1854



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



72.6154, 60.2489, 85.6435



69.0676, 54.1363, 81.4301



67.8462, 58.3412, 60.5292



18.5599, 18.2073, 21.5657



26.0623, 12.9142, 24.7762

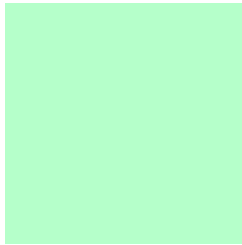


2.5846, 1.2762, 2.6597



# Previews

## White Background



This preview shows how the XYZ color 65.4767, 85.6080, 68.9501 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

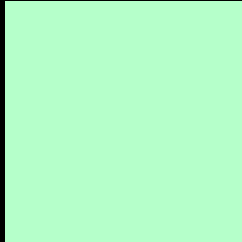
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.4767, 85.6080, 68.9501 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

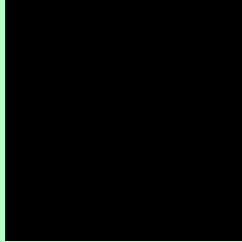
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

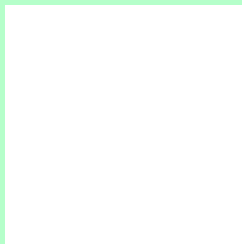
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 65.4767, 85.6080, 68.9501

## Background



This preview shows how black text looks on a background with the XYZ color 65.4767, 85.6080, 68.9501.



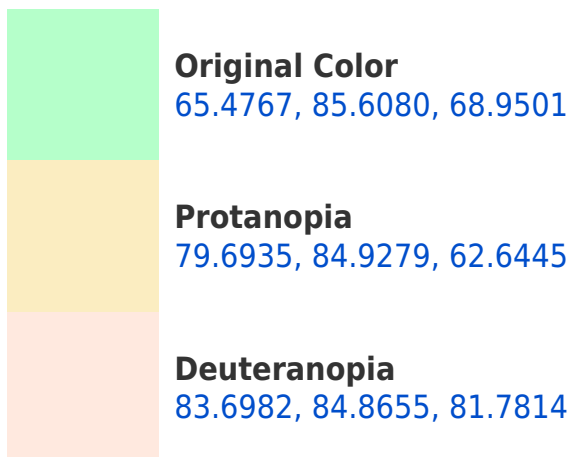
This preview shows how white text looks on a background with the XYZ color 65.4767, 85.6080,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





## Tritanopia

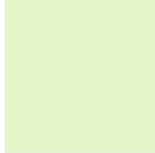
77.2520, 85.3182, 107.0042

# Trichromacy



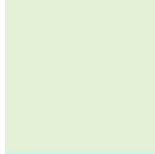
## Original Color

65.4767, 85.6080, 68.9501



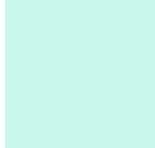
## Protanomaly

73.6785, 84.8556, 64.7201



## Deuteranomaly

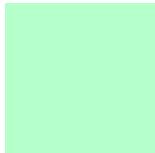
75.7159, 84.3109, 76.5729



## Tritanomaly

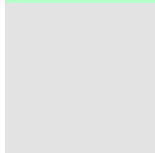
72.4885, 84.9952, 91.9420

# Monochromacy



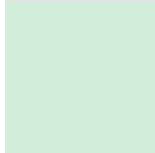
## Original Color

65.4767, 85.6080, 68.9501



## Achromatopsia

73.0128, 76.8151, 83.6517



## Achromatomaly

69.5174, 79.3320, 77.9783

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.4767, 85.6080, 68.9501 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(181, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 202)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(181, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 65.4767, 85.6080, 68.9501 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 255, 202) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(181, 255, 202) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(181, 255, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.4767, 85.6080, 68.9501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 255, 202) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(181,  
255, 202) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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